Help The Times-Dispatch Swat the Fly

THE CASE of MANITY vs. the TY



This Summer's Battle With the Pest to Be the Fiercest Ever Fought.

and your parents parents had taught you that those servants protected you and yours from secret. them were in reality the allies of your enemics and best and dearest, what would you do?

Musca domestica, the common house fly,

All over the United States to-day, at the beginning of this summer, there are thousands of men and for the war or sit, luxuriously idle, looking on from

The refined, elegant, poisonously lazy old Romans did that, while barbarian gladiators, with net and deadly trident, sought to slay each other in the bloody

the common house fly is his active and energetic ally, and so the mortal and implacable foe of humanity. In this new war, with so many thousands already still outside of the arena, humanity's friends or hu-

Oh, this is the most saffron of yellow journalism, with all its feverish blotches, deadly encounters, secret foes, traitors, bloody arenas! (The thing is so

Then, for the sake of that humanity which has already been too long suffering in the matter of hyperbole and the saffron his of its literature, let us meet on the chill plane of logic and agree:

That any proposition which is literally true can be neither hyperbole, exaggeration, sensationalism nor funny; and also,

When the proposition involves human deaths on the scale of massacres it is not only grim, but tragic;

The burden of proof lies upon the proponents.

Those proponents, who happen to be the national government at Washington, the boards of health and leading sanitarians of the United States and such advanced members of the laity as the powerful Morchants' Association of New York City, have gone all through the mass of evidence against the common house fly.

They have adjudged him guilty of the deaths of bu man thousands, from the time the Mayflower Pilgrims landed on the continent, and now they have pledged themselves to a hand-to-hand struggle that shall not cease until the house fly is exterminated.

There is not one among those active champt us of the cause of humanity against the fly who is so dead to humor as to fail to see the comic side of big words as applied to a campaign against so insignificant and apparently so helpless an insect. Dean Swift had poorer material for satire when he cast away Guilliver among the Lilliputians.

But mere numbers suffice to make a radical change in any odds of conflict; the scale can at last become so vast that only huge phrases can be proportionate.

The human family in the United States breeds from

two to four of its kind per pair in the course of a life- 14,067,792,000,000,000 files. time, and the generations require twenty years to achieve a maturity practically productive.

It has taken more than 206 years for the race here, world, to attain to 90,000,000.

Any one of those 20,000,000 can crush a huse fly, if he can catch him, as readily as John L. Sullivan could have crushed Charley Mitchell if he could have caught

The annihilating process would be simple if Musca domestica were no more reproductive than humanity or if humanity had nothing else to do than slay Muscae domesticae. But the spectacle of 20,000,000 people chasing flies would be only a degree more grotisque than was that famous spectacle of Sullivan chasing

With these two alternatives eliminated, the problem of the house fly, once its pernicious activities wers demonstrated, became one as great as that of the yellow fever mosquito of Cubs and Panama. Farce, in the first ray of intelligent investigation, glimpsed wholesale tragedy, as tragedy had already been alimpsed in the pellucid pools of wayside brooks which a whole countryside poisons with typhoid,

This common fly, only one of whose species, by a single, fatal footprint, can kill a man, lays 120 eggs, which hatch within eight hours. The larva period lasts five days, and the pupa period five days-in all, ten days for the new generation to leap into full,

Males and females are about evenly divided. In a single summer, in the latitude of Richmond-not a bad average for the country at large-one pair of files will produce twelve generations.

Admit that the whole 20,000,000 of us devote the whole summer to the killing of the whole family of a single pair of flies, and every man, woman and child aided by constant accessions from the rest of the in the United States must kill 175,547,400 of the pests to wipe out that one fly family.

Now multifply the descendants of that one pair of flies by the original first families of the summer, in number so trivial, in comparison with their actual lorde, as merely 1,000,0000 - which does not represent the first fly families of a single second-class city-and we have a total of 14,967,792,000,000,000,000,000 files that we are called upon to exterminate, or 175,847,-400,000,000 to be slain within three months by every impossible fly-chaser among us, including the new-born

Divided up, it means that the hand that smiles the fly would have to move at the rate of 22,614,120 times per second and never miss a fly.

Remembering always that, even allowing for the destruction in their ranks wrought by natural causes -bird, reptile and insect foes and their own short span of life -- the calculation is still limited not by the figures adduced, but by the amount of food on which the dies can batten, and it is pertinent to observe that every fly possesses 12,000 foot hairs.

Infinity Awes Imagination.

These hairs exude a slimy fluid peculiarly adapted to the accumulation of bacteria. Upon those foot hairs dwelling house flies have been found to average 880,000 poisonous gems per insect, or, to be mildly precise about it, 12.379,656,660,000,000,000,000,000,000 germs are carried to menace the nation within the

Again we confront absurdity, but of a very different The total number of their descendants is then kind, for it is the absurdity of infinity, before which

the imagination shrinks in awe, and the smile, whenever we can muster it, is decidedly sickly in its accompaniment of the question:

"It's funny they don't kill us." The answe is: "THEY DO."

Thus far, and necessarily for the sake of the main figures requied to bludgeon a derision born of the days when we believed the fly was a germ destroyer, the many and illuminating sidelights upon his Borgia career have been shut off, last they confuse the main. important fact that, by dint of sheer numbers, the house fly, unchecked, can overwhelm humanity. But now those other facts become of leading value.

That old, simple, childlike faith in the perfect balance of nature, as it applied to flies, was to the effect that, whenever there were disease germs prevalent in unusual numbers, flies appeared in a corresponding measure, collected the germs on their bodies as they flew through the air, ate and destroyed them. It was a popular science of the brand that falls in certain vital particulars.

True, flies do collect bacteria, although not quite in the capacity of aerial precipitants-rather, far rather, as terrestrial scavengers, stable flies carrying 420,000 germs each and swill barrel flies an average

True also that flies do eat the deadliest of germs. Tests made again and again from New York to Chicago have shown that house files eat the sputum of consumptives as readily as they do the waste of typhoid patients, and the same tests have shown quite as conclusively the manner in which the tubercle bacilli and the germs of typhoid fever pass gally through the intestinal tract of the flies and are deposited, excreted waste, as much alive and kicking as they were when they emerged from the consumptive

tricts of New York, has been mapped and measured for its annually recurring plague of files, while practically every bactelologist of the United States and all boards of health in the larger centres of popula-

The facts recorded are not a matter of isolated experiment or of a single season's observation. They have been universally and repeatedly demonstrated, and they include these now indisputable facts:

bred in other and as bad places and in various wastes and materials the temperature of which rises as they rot. The poisonous bacteria infecting the places of Its birth live, when borne on its body, for a period of at least two weeks, and can contaminate any milk, fruit, meat or other food on which the moist, sticky, tracks of their carrier may daposit them.

So far from being the friend, servant and protector of humanity, the house fly as a scavenger is the Trojan horse bringing the Greek gifts of humanity's dead-

The famous Dr. Leidy, after the Civil War, first pointed the finger of suspicion at the fly as the camp follower responsible for the fatal hospital gangren that slew the soldlery by the tens of thousands.

After long years the regular army learned to heed the lesson; militia and volunteers, at the time of the So 454 men died of honorable wounds from battle and 5,277 died of typhold, which subsequent investigation tion of the food supplies by flies.

Peace has its victims no less than war. The 7,000 children of New York who annually perish of intesa tinal disorders are chiefly the fly's victims; a markedly high percentage of all typhoid cases are due to

Asiatic cholera, so fearful in its ravages, is among ease which begins or ends or endures in filth 's his ally, and it has even been demonstrated that the fly carries and deposits, in active and virulent conditions the bacillus of the scourge before which the white man qualis in sick and terrified loathing-leprosy.

Swiftly and very potently, the forces of humanity have been assembling for this year's relentless cam-

The Bureau of Entomology, the Department of Agriculture at Washington, with the Marine Hospital Service co-operating, has done much to safeguard the capital and has done as much more in stimulating the activity of boards of health throughout the coun-

The Times-Dispatch campaign against the fly begins to-morrow morning, when the fly swatters and bags will be delivered to the children of Richmond from the business office of The Times-Dispatch. The contest closes on June 17 at 5 o'clock, when the names of those who have won prizes for killing flies will be announced. The contest, which is for both white and colored children, is mainly for the purpose of calling the attention of the people of this section to the great danger which exists in the fearful prevalence of the fly. It is not thought, of course, that the killing of a few million flies will in any great degree wipe out the pest, but the campaign will be an incentive for all the people all the time, not only to protect themselves but to wage an unceasing warfare against the fly through cleanliness in the homes. If the fight is carried on as it should be, and if the pepole of this section awake to the importance of destroying these innocent-appearing murderers, hundreds of lives of Richmond people will be saved yearly, and this city will takep lace in the very front rank of health contres. Every parent in Richmond should encourage the children to engage in The Times-Dispatch contest, in order to instill into each child's mind the knowledge that the fly is a deadly enemy to the human race and should be exterminated. If you will help The Times-Dispatch "swat the fly" you will be renders ing the people of this section a great and lasting sare